

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application:

Claim 1 (previously amended): A recombinant genetic construct encoding a dengue viral genome comprising a full-length genome of a dengue virus wherein the construct is modified at a 13-amino acid encoding region just proximal to the pr-M cleavage site which is devoid of negatively-charged amino acids and contains additional positively-charged amino acids relative to a wild-type dengue virus.

Claim 2 (previously amended): The genetic construct of claim 1 wherein said genetic construct comprises DNA.

Claim 3 (previously amended): A mutant dengue virus comprising a full-length genome of a dengue virus wherein the virus comprises a 13-amino acid-encoding region just proximal to the pr-M cleavage site which is devoid of negatively-charged amino acids and contains additional positively-charged amino acids relative to a wild type dengue virus.

Claim 4 (currently amended): A mutant dengue virus of claim 3 which contains less prM protein on viral envelope than the prototype wild type dengue virus due to an enhanced internal cleavage of the prM protein.

Claim 5 (currently amended): A mutant dengue virus of claim 3 wherein the virus induces infected C6/36 mosquito cell line to fuse at the neutral pH to a greater extent than a wild type dengue virus.

Claim 6 (currently amended): A mutant dengue virus of claim 3 5 wherein the virus is exported out of the infected cells to a lesser extent than a wile type dengue virus, result in a lower virus titer in the culture medium.

Claim 7 (currently amended): ~~The genetic construct of claim 1~~ A mutant dengue virus of claim 3 wherein said ~~genetic construct encodes a mutant prM protein which~~

31-JUL-2009 12:11 FROM NSTDA

TO 00115712738300

P.04

~~substantially identical to the sequence depicted in~~ virus comprises a amino acid sequence of SEQ ID NO: 1.

Claim 8 (currently amended): A mutant dengue virus of claim 3 wherein the cell fusion by the mutant dengue virus is ~~best~~ done well at 29°C.

Claim 9 (cancel)

Claim 10 (new): A mutant dengue virus of claim 3 which is MBU 01-2002.